					ATG Met											48
					TCT Ser											96
					GTA Val											144
															AAG Lys	192
					TAT Tyr 70											240
AAG																288
CCT	GAG Glu	AGG Arg	GAG Glu 100	GCT Ala	ATA Ile	CTA Leu	ACA Thr	ATC Ile 105	GGT Gly	GCA Ala	AAG Lys	GAA Glu	GGG Gly 110	TAT Tyr	TCT Ser	336
CAT	TTG Leu	ATG Met 115	CTT Leu	GCG Ala	ATG Met	ATA Ile	TCT Ser 120	CCG Pro	GGT Gly	GAT Asp	ACG Thr	GTA Val 125	ATA Ile	GTT Val	CCT Pro	384
AAT Asn	CCC Pro 130	ACC Thr	TAT Tyr	CCT Pro	ATT Ile	CAC His 135	TAT Tyr	TAC Tyr	GCT Ala	CCC Pro	ATA Ile 140	ATT Ile	GCA Ala	GGA Gly	GGG Gly	432
GAA Glu 145	GTT Val	CAC His	TCA Ser	ATA Ile	CCC Pro 150	CTT Leu	AAC Asn	TTC Phe	TCG Ser	GAC Asp 155	GAT Asp	CAA Gln	GAT Asp	CAT His	CAG Gln 160	480
GAA Glu	GAG Glu	TTT Phe	TTA Leu	AGG Arg 165	AGG Arg	CTT Leu	TAC Tyr	GAG Glu	ATA Ile 170	GTA Val	AAA Lys	ACC Thr	GCG Ala	ATG Met 175	CCA Pro	528
					GTC Val											576
					TTT Phe											624
CAC His	GGT Gly 210	CTC Leu	TGG Trp	ATA Ile	ATA Ile	CAC His 215	GAT Asp	TTT Phe	GCG Ala	TAT Tyr	GCG Ala 220	GAT Asp	ATA Ile	GCC Ala	TTT Phe	672
					CCC Pro 230											720

FIG. 1A

GTT Val	GCG Ala	GTT Val	GAG Glu	CTC Leu 245	TAC Tyr	TCC Ser	ATG Met	TCA Ser	AAG Lys 250	GGC Gly	TTT Phe	TCA Ser	ATG Met	GCG Ala 255	GGC Gly		768
TGG Trp	AGG Arg	GTA Val	GCC Ala 260	TTT Phe	GTC Val	GTT Val	GGA Gly	AAC Asn 265	GAA Glu	ATA Ile	CTC Leu	ATA Ile	AAA Lys 270	AAC Asn	CTT Leu		816
GCA Ala	CAC His	CTC Leu 275	AAA Lys	AGC Ser	TAC Tyr	TTG Leu	GAT Asp 280	TAC Tyr	GGT Gly	ATA Ile	TTT Phe	ACT Thr 285	CCC Pro	ATA Ile	CAG Gln		864
GTG Yal	GCC Ala 290	TCT Ser	ATT Ile	ATC Ile	GCA Ala	TTA Leu 295	GAG Glu	AGC Ser	CCC Pro	TAC Tyr	GAA Glu 300	ATC Ile	GTG Val	GAA Glu	AAA Lys		912
ACC Thr 305	GCA Ala	AAG Lys	GTT Val	TAC Tyr	CAA Gln 310	Lys LAA	AGA Arg	AGA Arg	GAC Asp	GTT Val 315	CTG Leu	GTG Val	GAA Glu	GGG Gly	TTA Leu 320		960
AAC Asn	AGG Arg	CTC Leu	GGC Gly	TGG Trp 325	AAA Lys	GTA Val	AAA Lys	AAA Lys	CCT Pro 330	AAG Lys	GCT Ala	ACC Thr	ATG Met	TTC Phe 335	GTC Val		1008
TGG Trp	GCA Ala	AAG Lys	ATT Ile 340	CCC Pro	GAA Glu	TGG Trp	ATA Ile	AAT Asn 345	ATG Met	AAC Asn	TCT Ser	CTG Leu	GAC Asp 350	TTT Phe	TCC Ser		1056
TTG Leu	TTC Phe	CTC Leu 355	CTA Leu	AAA Lys	GAG Glu	GCG Ala	AAG Lys 360	GTT Val	GCG Ala	GTA Val	TCC Ser	CCG Pro 365	GGT Gly	GTG Val	GGC Gly		1104
TTT Phe	GGT Gly 370	CAG Gln	TAC Tyr	GGA Gly	GAG Glu	GGG Gly 375	TAC Tyr	GTA Val	AGG Arg	TTT Phe	GCA Ala 380	CTT Leu	GTA Val	GAA Glu	AAT Asn		1152
GAA Glu 385	His	AGG Arg	ATC Ile	AGA Arg	CAG Gln 390	GCT Ala	ATA Ile	AGG Arg	GGA Gly	ATA Ile 395	AGG Arg	AAA Lys	GCC Ala	TTC Phe	AGA Arg 400		1200
AAA Lys	CTC Leu	CAG Gln	AAG	GAG Glu 405	Arg	AAA Lys	CTT Leu	GAA Glu	CCT Pro 410	GIu	AGA Arg	AGT Ser	GCT Ala 414	TAA End		·	1245

FIG. 1B

ATG Met	GAC Asp	AGG Arg	CTT Leu	GAA Glu 5	Lys Lys	GTA Val	TCA Ser	CCC Pro	TTC Phe 10	ATA Ile	GTA Val	ATG Met	GAT Asp	ATC Ile 15	CTA Leu		48
GCT Ala	CAG Gln	GCC Ala	CAG Gln 20	AAG Lys	TAC Tyr	GAA Glu	GAC Asp	GTA Val 25	GTA Val	CAC His	ATG Met	GAG Glu	ATA Ile 30	GGA Gly	GAG Glu		96
CCC Pro	GAT Asp	TTA Leu 35	GAA Glu	CCG Pro	TCT Ser	CCC Pro	AAG Lys 40	GTA Val	ATG Met	GAA Glu	GCT Ala	CTG Leu 45	GAA Glu	CGT Arg	GCG Ala	1	.44
GTG Val	AAG Lys 50	GAA Glu	AAG Lys	ACG Thr	TTC Phe	TTC Phe 55	TAC Tyr	ACC Thr	CCT Pro	GCT Ala	CTG Leu 60	GGA Gly	CTC Leu	TGG Trp	GAA Glu	1	192
CTC Leu [65	AGG Arg	GAA Glu	AGG Arg	ATA Ile	TCG Ser 70	GAG Glu	TTT Phe	TAC Tyr	AGG Arg	AAA Lys 75	AAG Lys	TAC Tyr	AGC Ser	GTT Val	GAA Glu 80	2	240
GTT Val	TCT Ser	CCA Pro	GAG Glu	AGA Arg 85	GTC Val	ATC Ile	GTA Val	ACT Thr	ACC Thr 90	GGA Gly	ACT Thr	TCG Ser	GGA Gly	GCG Ala 95	TTT Phe	2	288
¢TC Łeu	GTA Val	GCC Ala	TAC Tyr 100	Ala	GTA Val	ACA Thr	CTA Leu	AAT Asn 105	ALA	GGA Gly	GAG Glu	AAG Lys	ATA Ile 110		CTC Leu	:	336
Pro	GAC Asp	CCC Pro	Ser	TAC Tyr	CCC	TGT Cys	TAC Tyr 120	гÃя	AAC Asn	TTT Phe	GCC	TAC Tyr 125		TTA Leu	GAC Asp	:	384
GCT Ala	CAG Gln 130	Pro	GTT Val	TTC Phe	GTA Val	AAC Asn 135	vai	GAC Asp	AAG Lys	GAA Glu	ACG Thr 140	2101	TAC Tyr	GAA Glu	GTA Val		432
AGG Arg	Lys	GAC	ATG Met	ATA	GAA Glu 150	Asp	ATI	GAT Asp	GCG Ala	AAA Lys 155	, ATC	CTI Lev	CAC His	ATI Ile	TCC Ser 160		480
TCG Ser	CCT Pro	CAZ Gli	AA A	C CCT n Pro 165	Thi	GGC Gly	ACA Thr	CT(TAC 1 Ty: 170	. 561	CCT Pro	GAZ Glu	A ACC	CTC Lev 175	AAG Lys		528
GAA Glu	A CTT	r GCC	G GAG a Glu 180	ı Ty	TGC Cys	GAA Glu	GAC Glu	AA(1 Lys 189	a Gr	r ATO	TAC Ty	TTO Phe	E ATA		GAC Asp	·	576
GAC Glv	AT'	T TAC e Ty:	r Hi	C GGI	A CTO	C GTT	TAC L Ty:	r GII	A GG' 1 Gl	r AG y Ar	G GAG	G CAG u Hia 20	5 111	A GC	A CTT a Leu		624
GA(3 TTC 1 Pho 21	e Se	T GA	C AG p Ar	G GC' g Ala	r ATT	e Va	C AT	A AA e As:	C GG n Gl	G TT y Ph 22	e se	T AA r Ly	G TA	d TTC r Phe		672
TG' Cy: 22!	s Me	G CC t Pr	A GG o Gl	т тт у Ph	C AG e Ar 23	g Il	A GG e Gl	G TG y Tr	G AT p Me	G AT. t Il 23	e va	T CC 1 Pr	G GA o Gl	A GA u Gl	A CTC u Leu 240		720

FIG. 2A

GTG Val	AGA Arg	AAG Lys	GCG Ala	GAA Glu 245	ATA Ile	GTA Val	ATT Ile	CAG Gln	AAC Asn 250	GTA Val	TTT Phe	ATA Ile	TCT Ser	GCC Ala 255	CCG Pro	768
ACG Thr	CTC Leu	AGT Ser	CAG Gln 260	TAC Tyr	GCC Ala	GCC Ala	CTT Leu	GAG Glu 265	GCT Ala	TTT Phe	GAT Asp	TAC Tyr	GAG Glu 270	TAT Tyr	TTG Leu	816
GAG Glu	AAG Lys	GTA Val 275	AGA Arg	AAA Lys	ACC Thr	TTT Phe	GAA Glu 280	GAG Glu	AGG Arg	AGG Arg	AAC Asn	TTC Phe 285	CTT Leu	TAT Tyr	GGG Gly	864
GAA Glu	CTG Leu 290	AAA Lys	AAA Lys	CTC Leu	TTC Phe	AAG Lys 295	ATA Ile	GAC Asp	GCG Ala	Lys AAA	CCT Pro 300	CAG Gln	GGA Gly	GCT Ala	TTT Phe	912
TAC Tyr 305	GTA Val	TGG Trp	GCA Ala	AAC Asn	ATA Ile 310	AGT Ser	GAT Asp	TAC Tyr	TCC Ser	ACA Thr 315	GAT Asp	AGC Ser	TAC Tyr	GAA Glu	TTT Phe 320	960
GCT Ala	TTA Leu	AAA Lys	CTT Leu	TTA Leu 325	AGG Arg	GAG Glu	GCG Ala	AGG Arg	GTG Val 330	GCG Ala	GTA Val	ACG Thr	CCC Pro	GGG Gly 335	GTG Val	1008
GAC Asp	TTT Phe	GGA Gly	AAA Lys 340	AAC Asn	AAA Lys	ACG Thr	AAG Lys	GAG Glu 345	TAT Tyr	ATA Ile	AGG Arg	TTT Phe	GCT Ala 350	TAT Tyr	ACG Thr	1056
AGA Arg	AAG Lys	ATA Ile 355	GAA Glu	GAA Glu	CTT Leu	AAG Lys	GAG Glu 360	GGC Gly	GTT Val	GAA Glu	AGG Arg	ATA Ile 365	AAG Lys	AAG Lys	TTC Phe	1104
TTA Leu	GAG Glu 370	Lys	CTT	AGC Ser	TGA End											1122

FIG. 2B

ATG Met	TGG Trp	GAA Glu	TTA Leu	GAC Asp 5	CCT Pro	AAA Lys	ACG Thr	CTC Leu	GAA Glu 10	AAG Lys	TGG Trp	GAC Asp	AAG Lys	GAG Glu 15	TAC Tyr		48
TTC Phe	TGG Trp	CAT His	CCA Pro 20	TTT Phe	ACC Thr	CAG Gln	ATG Met	AAA Lys 25	GTC Val	TAC Tyr	AGA Arg	GAA Glu	GAA Glu 30	GAA Glu	AAC Asn		96
CTG Leu	ATA Ile	TTT Phe 35	GAA Glu	CGC Arg	GGA Gly	GAA Glu	GGC Gly 40	GTT Val	TAC Tyr	CTG Leu	TGG Trp	GAC Asp 45	ATA Ile	TAC Tyr	GGC Gly		144
AGG Arg	AAG Lys 50	TAT Tyr	ATA Ile	GAT Asp	GCC Ala	ATA Ile 55	TCT Ser	TCC Ser	CTC Leu	TGG Trp	TGC Cys 60	AAC Asn	GTC Val	CAC His	GGA Gly		192
CAT His 65	AAC Asn	CAC His	CCT Pro	Lys AAA	CTG Leu 70	AAC Asn	AAC Asn	GCA Ala	GTT Val	ATG Met 75	AAA Lys	CAG Gln	CTC Leu	TGT Cys	AAG Lys 80		240
GTA Val	GCT Ala	CAC His	ACA Thr	ACT Thr 85	ACT Thr	CTG Leu	GGA Gly	AGT Ser	TCC Ser 90	AAC Asn	GTT Val	CCC Pro	GCC Ala	ATA Ile 95	CTC Leu		288
CTT Leu	GCA Ala	AAG Lys	AAG Lys 100	CTT Leu	GTA Val	GAA Glu	ATT Ile	TCT Ser 105	CCT Pro	GAA Glu	GGA Gly	TTA Leu	AAC Asn 110	AAG Lys	GTC Val		336
TTT Phe	TAC Tyr	TCC Ser 115	GAA Glu	GAC Asp	GGT Gly	GCG Ala	GAA Glu 120	GCA Ala	GTA Val	GAG Glu	ATA Ile	GCG Ala 125	ATA Ile	AAG Lys	ATG Mét		384
GCT Ala	TAT Tyr 130	His	TAC Tyr	TGG Trp	AAG Lys	AAC Asn 135	AAG Lys	GGA Gly	GTT Val	AAA Lys	GGG Gly 140	AAA Lys	AAC Asn	GTT Val	TTC Phe		432
ATA Ile 145	Thr	CTT Leu	TCC Ser	GAA Glu	GCC Ala 150	Tyr	CAC His	GGG Gly	GAT Asp	ACT Thr 155	Val	GGA Gly	GCG Ala	GTT Val	AGC Ser 160	· ·	480
GTA Val	GGG Gly	GGT Gly	ATA Ile	GAA Glu 165	Leu	TTC Phe	CAC His	GGA Gly	ACT Thr 170	Tyr	AAA Lys	GAT Asp	CTC Leu	CTT Leu 175	TTC Phe		528
AAG Lys	ACT Thr	ATA Ile	AAA Lys 180		CCA Pro	TCT Ser	CCT Pro	TAC Tyr 185	Leu	TAC Tyr	TGC Cys	AAG Lys	GAA Glu 190	гув	TAC Tyr		576
GGG Gly	GAA Glu	CTC Lev 195	Сув	CCT Pro	GAG Glu	TGC Cys	ACG Thr 200	Ala	GAT Asp	TTA Leu	TTA Leu	AAA Lys 205	Gln	CTG Leu	GAA Glu		624
GAT Asp	ATC Ile 210	Let	AAG Lys	TCG Ser	CGG Arg	GAA Glu 215	Asp	ATC	GTT Val	GCG Ala	GTC Val 220	. Ile	ATG Met	GAA Glu	GCG Ala		672
GGA Gly	Ile	CAC Glr	ı Ala	GCC Ala	Ala	Gly	ATG Met	CTC Lev	CCC Pro	TTC Phe 235	Pro	CCG Pro	GGA Gly	TTI Phe	TTG Leu 240		720

FIG. 3A

AAA Lys	GGC Gly	GTA Val	AGG Arg	GAG Glu 245	CTT Leu	ACG Thr	AAG Lys	AAA Lys	TAC Tyr 250	GAC Asp	ACT Thr	TTA Leu	ATG Met	ATA Ile 255	GTT Val		768
GAC Asp	GAG Glu	GTT Val	GCC Ala 260	ACG Thr	GGA Gly	TTT Phe	GGC Gly	AGG Arg 265	ACG Thr	GGA Gly	ACG Thr	ATG Met	TTT Phe 270	TAC Tyr	TGT Cys		816
GAG Glu	CAG Gln	GAA Glu 275	GGA Gly	GTC Val	AGT Ser	CCG Pro	GAC Asp 280	TTT Phe	ATG Met	TGT Cys	CTA Leu	GGT Gly 285	AAG Lys	GGT Gly	ATA Ile		864
ACC Thr	GGA Gly 290	GGG Gly	TAC Tyr	CTC Leu	CCG Pro	CTT Leu 295	GCT Ala	GCG Ala	ACA Thr	CTC Leu	ACA Thr 300	ACG Thr	GAC Asp	GAG Glu	GTG Val		912
TTC Phe	AAT Asn	GCC Ala	TTT Phe	TTA Leu	GGT Gly 310	GAG Glu	TTC Phe	GGG Gly	GAG Glu	GCA Ala 315	AAG Lys	CAC His	TTT Phe	TAC Tyr	CAC His 320		960
14	CAC His	ACC Thr	TAC Tyr	ACT Thr 325	GGA Gly	AAT Asn	AAC Asn	CTC Leu	GCC Ala 330	TGT Cys	TCC Ser	GTT Val	GCA Ala	CTC Leu 335	GCA Ala	:	1008
AAC Asn	TTA Leu	GAA Glu	GTT Val 340	TTT Phe	GAG Glu	GAA Glu	GAA Glu	AGA Arg 345	ACT Thr	TTA Leu	GAG Glu	AAG Lys	CTC Leu 350	CAA Gln	CCA Pro	:	1056
AAG Lya	ATA Ile	AAG Lys 355	CTT Leu	TTA Leu	AAG Lys	GAA Glu	AGG Arg 360	CTT Leu	CAG Gln	GAG Glu	TTC Phe	TGG Trp 365	GAA Glu	CTC Leu	AAG Lys		1104
CAC His	GŢT Val 370	GGA Gly	GAT Asp	GTT Val	AGA Arg	CAG Gln 375	CTA Leu	GGT Gly	TTT Phe	ATG Met	GCT Ala 380	GGA Gly	ATA Ile	GAG Glu	CTG Leu		1152
GTG Val 385	AAG Lys	GAC Asp	AAA Lys	GAA Glu	AAG Lys 390	GGA Gly	GAA Glu	CCT Pro	TTC Phe	CCT Pro 395	TAC Tyr	GGT Gly	GAA Glu	AGG Arg	ACG Thr 400	, ·	1200
GGA Gly	TTT Phe	AAG Lys	GTG Val	GCT Ala 405	TAC Tyr	AAG Lys	TGC Cys	AGG Arg	GAA Glu 410	AAA Lys	GGG Gly	GTG Val	TTT Phe	TTG Leu 415	AGA Arg		1245
CCG Pro	CTC Leu	GGA Gly	GAC Asp 420	Val	ATG Met	GTA Val	TTG Leu	ATG Met 425	met	CCT Pro	CTT Leu	GTA Val	ATA Ile 430	GAG Glu	GAA Glu		1293
GAC Asp	GAA Glu	ATG Met 435	Asn	TAC Tyr	GTT Val	ATT Ile	GAT Asp 440	Thr	CTT Leu	AAA Lys	TGG Trp	GCA Ala 445	TTE	AAA Lys	GAG Glu		1341
CTT Leu	GAA Glu	AAA Lys	GAG Glu	GTG Val	TAG End												1359

FIG. 3B

ATG Met	ACA Thr	TAC Tyr	TTA Leu	ATG Met 5	AAC Asn	TAA Asn	TAC Tyr	GCA Ala	AGG Arg 10	TTG Leu	CCC Pro	GTA Val	AAG Lys	TTT Phe 15	GTA Val	.48
AGG Arg	GGA Gly	AAA Lys	GGT Gly 20	GTT Val	TAC Tyr	CTG Leu	TAC Tyr	GAT Asp 25	GAG Glu	GAA Glu	GGA Gly	AAG Lys	GAG Glu 30	TAT Tyr	CTT Leu	96
GAC Asp	TTT Phe	GTC Val 35	TCC Ser	GGT Gly	ATA. Ile	GGC Gly	GTC Val 40	AAC Asn	TCC Ser	CTC Leu	GGT Gly	CAC His 45	GCT Ala	TAC Tyr	CCA Pro	144
AAA Lys	CTC Leu 50	ACA Thr	GAA Glu	GCT Ala	CTA Leu	AAA Lys 55	GAA Glu	CAG Gln	GTT Val	GAG Glu	AAA Lys 60	CTC Leu	CTC Leu	CAC His	GTT Val	192
TCA Ser	AAT Asn	CTT Leu	TAC Tyr	GAA Glu	AAC Asn 70	CCG Pro	TGG Trp	CAG Gln	GAA Glu	GAA Glu 75	CTG Leu	GCT Ala	CAC His	AAA Lys	CTT Leu 80	240
V al	Lys LAA	CAC His	TTC Phe	TGG Trp 85	ACA Thr	GAA Glu	GGG Gly	AAG Lys	GTA Val 90	TTT Phe	TTC Phe	GCA Ala	AAC Asn	AGC Ser 95	GGA Gly	288
ACG Thr	GAA Glu	AGT Ser	GTA Val 100	Glu	GCG Ala	GCT Ala	ATA Ile	AAG Lys 105	CTC Leu	GCA Ala	AGG Arg	AAG Lys	TAC Tyr 110	TGG Trp	AGG Arg	336
GAT Asp	AAA Lys	GGA Gly 115	Lys	AAC Asn	AAG Lys	TGG Trp	AAG Lys 120	TTT Phe	ATA Ile	TCC	TTT Phe	GAA Glu 125	AAC Asn	TCT Ser	TTC Phe	384
CAC His	GGG Gly 130	Arg	ACC	TAC	GGT Gly	AGC Ser 135	CTC Leu	TCC Ser	GCA Ala	ACG Thr	GGA Gly 140	GIN	CCA Pro	AAG Lys	TTC Phe	432
CAC His 145	Lys	GGC Gly	TTT Phe	GAA	CCT Pro 150	Leu	GTT Val	CCT	GGA Gly	TTT Phe 155	Ser	TAC Tyr	GCA Ala	AAG Lys	CTG Leu 160	 480
AAC	GAT Asp	ATA Ile	GAC Asp	AGC Ser 165	· Val	TAC Tyr	Lys	CTC Leu	CTA Leu 170	LASP	GAG Glu	GAA Glu	ACC Thr	GCG Ala 175	GGG	528
ATA Ile	ATI	ATI	GA/ Glu 180	ı Val	T ATA	CAA Gln	GGA Gly	GAG Glu 185	r GTA	GGA Gly	GTA Val	AAC Asn	GAG Glu 190	LATO	AGT Ser	576
GAG Glu	GAT Taa	TTT Phe 195	e Lei	A AG1	r AA?	CTC	CAG Glr 200	GIL	ATT	TGT Cys	AAA Lys	GIU	LPAF	GAT qaA	GTG Val	624
CTC	TT/ Let 210	ı Ile	T ATA	e Vel	GAA G Glu	A GTO 1 Val 215	Glr	A ACC	G GGI	A ATA	GGA Gly 220	Arg	ACC Thi	GGG Gly	GAA Glu	672
TTO	TAC	C GCI	A ТА' a Ту:	r CA	A CAC	3 Phe	C AAT	CTI Lev	A AAA	A CCC B Pro	ASI	GT# Val	A ATT	GCC Ala	CTT Leu 240	720

FIG. 4A

				GGA Gly 245													768
GAA Glu	GAA Glu	GTG Val	GCC Ala 260	CAG Gln	AGC Ser	TTT Phe	ACT Thr	CCC Pro 265	GGC Gly	TCC Ser	CAC His	GGC Gly	TCT Ser 270	ACC Thr	TTC Phe		816
GGA Gly	GGA Gly	AAC Asn 275	CCC Pro	TTA Leu	GCC Ala	TGC Cys	AGG Arg 280	GCG Ala	GGA Gly	ACA Thr	GTG Val	GTA Val 285	GTA Val	GAT Asp	GAA Glu		864
															AAA Lys		912
GAA Glu 305	AAA Lys	CTG Leu	AAG Lys	GAA Glu	CTC Leu 310	GGC Gly	TAB.	GGA Gly	AAG Lys	GTA Val 315	AAG Lys	GGA Gly	AGA Arg	GGA Gly	TTG Leu 320		960
ATG Met	CTC Leu	GGT Gly	CTT Leu	GAA Glu 325	CTT Leu	GAA Glu	AGA Arg	GAG Glu	TGT Cys 330	AAA Lys	GAT Asp	TAC Tyr	Val	CTC Leu 335	AAG Lys		1008
				GAC Asp												;	1032

FIG. 4B

ATG Met	CGG Arg	AAA Lys	CTG Leu	GCC Ala 5	GAG Glu	CGG Arg	GCG Ala	CAG Gln	AAA Lys 10	CTG Leu	AGC Ser	CCC Pro	TCT Ser	CCC Pro 15	ACC Thr		48
CTC Leu	TCG Ser	GTG Val	GAC Asp 20	ACC Thr	AAG Lys	GCC Ala	AAG Lys	GAG Glu 25	CTT Leu	TTG Leu	CGG Arg	CAG Gln	GGG Gly 30	GAA Glu	AGG Arg		96
GTC Val	ATC Ile	AAT Asn 35	TTC Phe	GGG Gly	GCG Ala	GGG Gly	GAG Glu 40	CCG Pro	GAC Asp	TTC Phe	GAT Asp	ACA Thr 45	CCG Pro	GAA Glu	CAC	:	144
ATC Ile	AAG Lys 50	GAA Glu	GCG Ala	GCG Ala	AAG Lys	CGA Arg 55	GCT Ala	TTA Leu	GAT Asp	CAG Gln	GGC Gly 60	TTC Phe	ACC Thr	AAG Lys	TAC Tyr		192
ACG Thr	CCG Pro	GTG Val	GCT Ala	GGG Gly	ATC Ile 70	TTA Leu	CCT Pro	CTT Leu	CGG Arg	GAG Glu 75	GCC Ala	ATA Ile	TGC Cys	GAG Glu	AAG Lys 80		240
CTT JLeu	TAC Tyr	CGC Arg	GAC Asp	AAT Asn 85	CAA Gln	CTG Leu	GAA Glu	TAC Tyr	AGC Ser 90	CCG Pro	AAT Asn	GAG Glu	ATC Ile	GTG Val 95	GTC Val		288
\d dTCC dSer	TGT Cys	GGC Gly	GCC Ala 100	AAG Lys	CAT His	TCT Ser	ATT Ile	TTC Phe 105	Asn	GCT Ala	CTG Leu	CAG Gln	GTC Val 110	CTC Leu	CTG Leu		336
.≟GAC ,≟Asp	CCG Pro	GGG Gly 115	Asp	GAG Glu	GTG Val	ATA Ile	ATC Ile 120	CCC Pro	GTC Val	CCC Pro	TAC Tyr	TGG Trp 125	ACT Thr	TCC Ser	TAT Tyr		384
() CCG Pro	GAG Glu 130	Gln	GTG Val	AAG Lys	CTG Leu	GCG Ala 135	GGA Gly	GGG Gly	GTG Val	CCG Pro	GTT Val 140	TTC Phe	GTC Val	CCC Pro	ACC Thr		432
TCT Ser 145	Pro	GAG Glu	AAC Asn	GAC Asp	TTC Phe 150	Lys	CTC Leu	AGG Arg	CCG Pro	GAA Glu 155	. Авр	CTA Leu	. CGT . Arg	GCG Ala	GCT Ala 160		480
GT <i>I</i> Val	ACC Thr	CCG Pro	CGC Arg	ACC Thr 165	Arg	CTT Leu	TTG Leu	ATC	CTC Leu 170	Asn	TCC Ser	CCG Pro	GCC Ala	AAC Asn 175	CCC		528
AC! Thi	GGC Gly	ACC Thr	GTT Val 180	. Туг	CGC Arg	CGG Arg	GAG Glu	GAA Glu 185	Lev	ATC	GGC Gly	TTA Leu	GCG Ala 190	GIU	GTA Val		576
GC0 Ala	C CTO	GA0 1 Glu 195	ı Ala	GAC Asp	CTA Leu	TGG Trp	ATC Ile 200	Let	TCC Ser	GAC Asp	GAG Glu	11e 205	ryr	GAA Glu	AAG Lys		624
Le	1 Ile 210	Ty:	c Asp	Gly	Met	215	His	val	L Sei	: Ile	220	l Alā	Lev	l Asp	CCG Pro		672
GA Gl	u Val	C AAA L Lys	A AAG B Lys	G CGC	Thi 230	: Ile	GTC Val	GTZ Val	AA A l Asr	GGT 1 Gly 235	/ Val	TCC Ser	Lys	GCT Ala	TAC Tyr 240		720

FIG. 5A

			GGT Gly													768
			ATG Met 260													816
TCC Ser	GTA Val	GCC Ala 275	CAG Gln	GCG Ala	GCG Ala	GCG Ala	CTG Leu 280	GCC Ala	GCT Ala	CTG Leu	AAG Lys	GGG Gly 285	CCA Pro	CAA Gln	GAG Glu	864
CCG Pro	GTG Val 290	GAG Glu	AAC Asn	ATG Met	CGC Arg	CGG Arg 295	GCT Ala	TTT Phe	CAA Gln	AAG Lys	CGG Arg 300	CGG Arg	GAT Asp	TTC Phe	ATC Ile	912
TGG Trp 305	CAG Gln	TAC Tyr	CTA Leu	AAC Asn	TCC Ser 310	TTA Leu	CCC Pro	GGA Gly	GTG Val	CGC Arg 315	TGC Cys	CCC Pro	AAA Lys	CCT Pro	TTA Leu 320	960
GGG Gly	GCC Ala	TTT Phe	TAC Tyr	GTC Val 325	TTT Phe	CCA Pro	GAA Glu	GTT Val	GAG Glu 330	CGG Arg	GCT Ala	TTT Phe	GGG Gly	CCG Pro 335	CCG Pro	1008
TCT Ser	rys	AGG Arg	ACG Thr 340	GGA Gly	AAT Asn	ACT Thr	ACC Thr	GCT Ala 345	AGC Ser	GAC Asp	CTG Leu	Ala	CTT Leu 50	TTC Phe	CTC Leu	1056
CTG Leu	GAA Glu	GAG Glu 355	ATA Ile	AAA Lys	GTG Val	GCC Ala	ACC Thr 360	GTG Val	GCT Ala	GGG Gly	GCT Ala	GCC Ala 365	TTT Phe	GGG Gly	GAC Asp	1104
GAT Asp	CGC Arg 370	TAC Tyr	CTG Leu	CGC Arg	TTT Phe	TCC Ser 375	TAC Tyr	GCC Ala	CTG Leu	CGG Arg	CTG Leu 380	GAA Glu	GAT Asp	ATC Ile	GAA Glu	1152
GAG Glu 385	GGG Gly	ATG Met	CAA Gln	CGG Arg	TTT Phe 390	AAA Lys	GAA Glu	TTG Leu	ATC Ile	GAA Glu 395	GCG Ala	GCA Ala	CTT Leu	TAA End		1197

FIG. 5B

•					GTC Val 5												4	8
					CTT Leu												9	96
					ATA Ile												14	14
					GAA Glu												19	92
	GCT Ala 65	AAA Lys	ACG Thr	GGT Gly	ATA Ile	GGT Gly 70	CAC His	ACA Thr	CGC Arg	TGG Trp	GCA Ala 75	ACC Thr	CAC His	GGA Gly	AAG Lys	CCC Pro 80	24	40
	ACG Thr	GAC Asp	GAG Glu	AAC Asn	GCC Ala 85	CAC His	CCC Pro	CAC His	ACC Thr	GAC Asp 90	GAA Glu	Lys Lys	GGT Gly	GAG Glu	TTT Phe 95	GCA Ala	2	88
	GTA Val	GTT Val	CAC His	AAC Asn 100	GGG Gly	ATA Ile	ATA Ile	GAA Glu	AAC Asn 105	TAC Tyr	TTA Leu	GAA Glu	CTA Leu	AAA Lys 110	GAG Glu	GAA Glu	3	36
	CTA Leu	AAG Lys	AAG Lys 115	GAA Glu	GGT Gly	GTA Val	AAG Lys	TTC Phe 120	AGG Arg	TCC Ser	GAA Glu	ACA Thr	GAC Asp 125	ACA Thr	GAA Glu	GTT Val	3	84
l'il	ATA Ile	GCC Ala 130	CAC His	CTC Leu	ATA Ile	GCG Ala	AAG Lys 135	AAC Asn	TAC Tyr	AGG Arg	GGG Gly	GAC Asp 140	TTA Leu	CTG Leu	GAG Glu	GCC Ala	4	32
	GTT Val 145	TTA Leu	AAA Lys	ACC Thr	GTA Val	AAG Lys 150	AAA Lys	TTA Leu	AAG Lys	GGT Gly	GCT Ala 155	TTT Phe	GCC Ala	TTT Phe	GCG Ala	GTT Val 160	4	80
	ATA Ile	ACG Thr	GTT Val	CAC His	GAA Glu 165	CCA Pro	AAC Asn	AGA Arg	CTA Leu	ATA Ile 170	GGA Gly	GTG Val	AAG Lys	CAG Gln	GGG Gly 175	AGT Ser	5	28
	CCT Pro	TTA Leu	ATC Ile	GTC Val 180	GGA Gly	CTC Leu	GGA Gly	GAA Glu	GGA Gly 185	GAA Glu	AAC Asn	TTC Phe	CTC Leu	GCT Ala 190	TCA Ser	GAT Asp	5	76
	ATT Ile	CCC Pro	GCA Ala 195	Ile	CTT Leu	CCT Pro	TAC Tyr	ACG Thr 200	AAA Lys	AAG Lys	ATT Ile	ATT	GTT Val 205	CTT Leu	GAT Asp	GAC Asp	6	24
	Gly	GAA Glu 210	Ile	GCG Ala	GAC Asp	CTG Leu	ACT Thr 215	Pro	GAC Asp	ACT Thr	GTG Val	AAC Asn 220	ATT Ile	TAC Tyr	AAC Asn	TTT Phe	6	572
	GAG Glu 225	Gly	GAG Glu	CCC Pro	GTT Val	TCA Ser 230	Lys	GAA Glu	GTA Val	ATG Met	ATT Ile 235	Thr	CCC Pro	TGG Trp	GAT Asp	CTT Leu 240	7	720

FIG. 6A

GTT Val	TCT Ser	GCG Ala	GAA Glu	AAG Lys	GGT Gly	GGT Gly	TTT Phe	AAA Lys	CAC His	TTC Phe	ATG Met	CTA Leu	TA8 YYY	GAG Glu	ATA Ile		768
TAC Tyr	GAA Glu	CAG Gln	Pro	245 AAA Lys	GCC Ala	ATA Ile	AAC Asn	Asp	250 ACA Thr	CTC Leu	AAG Lys	GGT Gly	Phe	255 CTC Leu	TCA Ser		816
ACC Thr	GAA Glu	GAC Asp 275	GCA Ala	ATA Ile	CCC Pro	TTT Phe	AAG Lys 280	265 TTA Leu	AAA Lys	GAC Asp	TTC Phe	AGA Arg 285	Arg	GTT Val	TTA Leu		864
ATA Ile	ATA Ile 290	GCG	TGC Cys	GGG Gly	ACC Thr	TCT Ser 295	TAC	CAC His	GCG Ala	GGC Gly	TTC Phe 300	GTC	GGA	AAG Lys	TAC Tyr		912
TGG Trp 305	ATA Ile	GAG Glu	AGA Arg	TTT Phe	GCA Ala 310	GGT Gly	GTT Val	CCC Pro	ACA Thr	GAG Glu 315	GTA Val	ATT Ile	TAC Tyr	GCT Ala	TCG Ser 320		960
GAA Glu	TTC Phe	AGG Arg	TAT Tyr	GCG Ala 325	GAC Asp	GTT Val	CCC Pro	GTT Val	TCG Ser 330	GAC Asp	AAG Lys	GAT Asp	ATC Ile	GTT Val 335	ATC Ile		1008
GGA Gly	ATT Ile	TCC Ser	CAG Gln 340	TCA Ser	GGA Gly	GAG Glu	ACC Thr	GCT Ala 345	GAC Asp	ACA Thr	AAG Lya	TTT Phe	GCC Ala 350	CTT Leu	CAG Gln		1056
TCC Ser	GCA Ala	AAG Lys 355	GAA Glu	AAG Lys	GGA Gly	GCC Ala	TTT Phe 360	ACC Thr	GTG Val	GGA Gly	CTC Leu	GTA Val 365	AAC Asn	GTA Val	GTG Val		1104
GGA Gly	AGT Ser 370	GCC Ala	ATA Ile	GAC Asp	AGG Arg	GAG Glu 375	TCG Ser	GAC Asp	TTT Phe	TCC Ser	CTT Leu 380	CAC His	ACA Thr	CAT His	GCG Ala		1152
GGA Gly 385	CCC Pro	GAA Glu	ATA Ile	GGC Gly	GTG Val 390	GCG Ala	GCT Ala	ACA Thr	AAG Lys	ACC Thr 395	TTC Phe	ACC Thr	ĢCA Ala	CAG Gln	TTC Phe 400		1200
ACC Thr	GCA Ala	CTC Leu	TAC Tyr	GCC Ala 405	CTT Leu	TCG Ser	GTA Val	AGG Arg	GAA Glu 410	AGT Ser	GAG Glu	GAG Glu	AGG Arg	GAA Glu 415	AAT Asn	. `	1248
CTA Leu	ATA Ile	AGA Arg	CTC Leu 420	CTT Leu	GAA Glu	AAG Lys	GTT Val	CCA Pro 425	TCA Ser	CTC Leu	GTT Val	GAA Glu	CAA Gln 430	ACA Thr	CTG Leu		1296
AAC Asn	ACC Thr	GCA Ala 435	GAA Glu	GAA Glu	GTG Val	GAG Glu	AAG Lys 440	GTA Val	GCG Ala	GAA Glu	AAG Lys	TAC Tyr 445	ATG Met	AAA Lys	AAG Lys		1344
AAA Lys	AAC Asn 450	ATG Met	CTT Leu	TAC Tyr	CTC Leu	GGA Gly 455	AGG Arg	TAC Tyr	TTA Leu	AAT Asn	TAC Tyr 460	CCC Pro	ATA Ile	GCG Ala	CTG Leu		1392
GAG Glu 465	GGA Gly	GCT Ala	CTT Leu	AAA Lys	CTT Leu 470	AAA Lys	GAA Glu	ATT Ile	TCT Ser	TAC Tyr 475	ATA Ile	CAC His	GCG Ala	GAA Glu	GGT Gly 480		1440
TAT Tyr	CCC Pro	GCA Ala	GGG Gly	GAG Glu 485	Met	AAG Lys	CAC His	GGT Gly	CCC Pro 490	ATA Ile	GCC Ala	CTC Leu	ATA Ile	GAC Asp 495	GAA Glu		1488

FIG. 6B

AAC Asn	ATG Met	CCG Pro	GTT Val 500	GTG Val	GTA Val	ATC Ile	GCA Ala	CCG Pro 505	AAA Lys	GAC Asp	AGG Arg	GTT Val	TAC Tyr 510	GAG Glu	AAG Lys		1536
ATA Ile	CTC Leu	TCA Ser 515	AAC Asn	GTA Val	GAA Glu	GAG Glu	GTT Val 520	CTC Leu	GCA Ala	AGA Arg	AAG Lys	GGA Gly 525	AGG Arg	GTT Val	ATT Ile		1584
TCT Ser	GTA Val 530	GGC Gly	TTT Phe	AAA Lys	GGA Gly	GAC Asp 535	GAA Glu	ACT Thr	CTC Leu	AAA Lys	AGC Ser 540	AAA Lys	TCC Ser	GAG Glu	AGC Ser		1632
GTT Val 545	ATG Met	GAA Glu	ATC Ile	CCG Pro	AAG Lys 550	GCA Ala	GAA Glu	GAA Glu	CCG Pro	ATA Ile 555	ACT Thr	CCT Pro	TTC Phe	TTG Leu	ACG Thr 560		1680
GTA Val 580	Ile	CCC Pro	CTG Leu	CAA Gln 565	CTC Leu	TTT Phe	GCC Ala	TAC Tyr	TTT Phe 570	ATA Ile	GCG Ala	AGC Ser	AAA Lys	CTG Leu 575	GGA Gly		1728
CTG Leu	GAT Asp	GTG Val	GAT Asp 580	CAG Gln	CCG Pro	AGA Arg	AAT Asn	CTC Leu 585	GCC Ala	AAA Lys	ACG Thr	GTC Val	ACG Thr 590	GTG Val	GAA Glu	· ·	1776
TAA End																-	1779

FIG. 6C

														GAG Glu 15		48
ACT Thr	CCC Pro	GCC Ala	TCC Ser 20	GTC Val	AGG Arg	CTT Leu	TCC Ser	TCT Ser 25	AAC Asn	GAA Glu	TTC Phe	CCC Pro	TAC Tyr 30	GAC Asp	TTT Phe	96
CCC Pro	GAG Glu	GAG Glu 35	ATA Ile	Lys Lys	CAA Gln	AGG Arg	GCC Ala 40	TTA Leu	GAA Glu	GAA Glu	TTA Leu	AAA Lys 45	AAG Lys	GTT Val	CCC Pro	144
TTG Leu	AAC Asn 50	AAA Lys	TAC Tyr	CCA Pro	GAC Asp	CCC Pro 55	GAA Glu	GCG Ala	AAA Lys	GAG Glu	TTA Leu .60	AAA Lys	GCG Ala	GTT Val	CTT Leu	192
GCG Ala 65	GAT Asp	TTT Phe	TTC Phe	GGC Gly	GTT Val 70	AAG Lys	GAA Glu	GAA Glu	AAT Asn	TTA Leu 75	GTT Val	CTC Leu	GGT Gly	AAC Asn	GGT Gly 80	240
FCG Ser	GAC Asp	GAA Glu	CTC Leu	ATA Ile 85	TAC Tyr	TAC Tyr	CTC Leu	TCA Ser	ATA Ile 90	GCT Ala	ATA Ile	GGT Gly	GAA Glu	CTT Leu 95	TAC Tyr	288
ATA Ile	CCC Pro	GTT Val	TAC Tyr 100	ATA Ile	CCT Pro	GTT Val	CCC Pro	ACC Thr 105	TTT Phe	CCC Pro	ATG Met	TAC Tyr	GAG Glu 110	ATA Ile	AGT Ser	336
GCG Ala	AAA Lys	GTT Val 115	CTC Leu	GGA Gly	AGA Arg	CCC Pro	CTC Leu 120	GTA Val	AAG Lys	GTT Val	CAA Gln	CTG Leu 125	GAC Asp	GAA Glu	AAC Aśn	384
jijarr ∰	GAT Asp 130	ATA Ile	GAC Asp	TTA Leu	GAA Glu	AGA Arg 135	AGT Ser	ATT Ile	GAA Glu	TTA Leu	ATA Ile 140	GAG Glu	AAA Lys	GAA Glu	AAA Lys	432
CCC Pro 145	GTT Val	CTC Leu	GGG Gly	TAC Tyr	TTT Phe 150	GCT Ala	TAC Tyr	CCA Pro	AAC Asn	AAC Asn 155	CCC Pro	ACG Thr	GGA Gly	AAC Asn	CTC Leu 160	480
TTT Phe	TCC Ser	AGG Arg	GGA Gly	AAG Lys 165	ATT Ile	GAG Glu	GAG Glu	ATA Ile	AGA Arg 170	AAC Asn	AGG Arg	GGT Gly	GTT Val	TTC Phe 175	TGT Cys	528
GTA Val	ATA Ile	GAC Asp	GAA Glu 180	GCC Ala	TAC Tyr	TAT Tyr	CAT His	TAC Tyr 185	TCC Ser	GGA Gly	GAA Glu	ACC Thr	TTT Phe 190	CTG Leu	GAA Glu	576
GAC Asp	GCG Ala	CTC Leu 195	Lys AAA	AGG Arg	GAA Glu	GAT Asp	ACG Thr 200	GTA Val	GTT Val	TTG Leu	AGG Arg	ACA Thr 205	CTT Leu	TCA Ser	AAA Lys	624
ATC Ile	GGT Gly 210	ATG Met	GCG Ala	AGT Sęr	TTA Leu	AGG Arg 215	GTA Val	GGG Gly	ATT Ile	TTA Leu	ATA Ile 220	GGG Gly	AAG Lys	GGG Gly	GAA Glu	672
ATC Ile 225	GTC Val	TCA Ser	GAA' Glu	ATT Ile	AAC Asn 23	Lys	GTG Val	AGA Arg	CTC Leu	CCC Pro 235	TTC Phe	AAC Asn	GTG Val	ACC Thr	TAC Tyr 240	720

FIG. 7A

														GAA Glu 255			768
CTA Leu	ATG Met	GAA Glu	AAG Lys 260	ATA Ile	CAG Gln	GAG Glu	GTT Val	GTA Val 265	ACA Thr	GAG Glu	CGA Arg	GAA Glu	AGG Arg 270	ATG Met	TAC Tyr		816
GAC Asp	GAA Glu	ATG Met 275	AAG Lys	AAA Lys	ATA Ile	GAA Glu	GGA Gly 280	GTT Val	GAG Glu	GTT Val	TTT Phe	CCG Pro 285	AGT Ser	AAG Lys	GCT Ala		864
AAC Asn	TTC Phe 290	TTG Leu	CTT Leu	TTC Phe	AGA Arg	ACG Thr 295	CCT Pro	TAC Tyr	CCC Pro	GCC Ala	CAC His 300	GAG Glu	GTT Val	TAT Tyr	CAG Gln		912
GAG Glu 305	CTA Leu	CTG Leu	AAA Lys	AGG Arg	GAT Asp 310	GTC Val	CTC Leu	GTC Val	AGG Arg	AAC Asn 315	GTA Val	TCT Ser	TAC Tyr	ATG Met	GAA Glu 320		960
GGA Gly	CTC Leu	CAA Gln	AAG Lys	TGC Cys 325	CTC Leu	AGG Arg	GTA Val	AGC Ser	GTA Val 330	GGG Gly	AAA Lys	CCG Pro	GAA Glu	GAA Glu 335	AAC Asn		1008
AAC Asn	AAG Lys	TTT Phe	CTG Leu 340	GAA Glu	GCA Ala	CTG Leu	GAG Glu	GAG Glu 345	AGT Ser	ATA Ile	AAA Lys	TCC Ser	CTT Leu 350	TCA Ser	AGC Ser	•	1056
	CTT																1065

FIG. 7B

ATG Met	AAG Lys	CCG Pro	TAC Tyr	GCT Ala 5	AAA Lys	TAT Tyr	ATC Ile	TGG Trp	CTT Leu 10	GAC Asp	GGC Gly	AGA Arg	ATA Ile	CTT Leu 15	AAG Lys	48
TGG Trp	GAA Glu	GAC Asp	GCG Ala 20	Lys Lys	ATA Ile	CAC His	GTG Val	TTG Leu 25	ACT Thr	CAC His	GCG Ala	CTT Leu	CAC His 30	TAC Tyr	GGA Gly	96
ACC Thr	TCT Ser	ATA Ile 35	TTC Phe	GAG Glu	GGA Gly	ATA Ile	AGA Arg 40	GGG Gly	TAT Tyr	TGG Trp	AAC Asn	GGC Gly 45	GAT Asp	AAT Asn	TTG Leu	144
CTC Leu	GTC Val 50	TTT Phe	AGG Arg	TTA Leu	GAA Glu	GAA Glu 55	CAC His	ATC Ile	GAC Asp	CGC Arg	ATG Met 60	TAC Tyr	AGA Arg	TCG Ser	GCT Ala	192
AAG Lys 65	ATA Ile	CTA Leu	GGC Gly	ATA Ile	AAT Asn 70	ATT Ile	CCG Pro	TAT Tyr	ACA Thr	AGA Arg 75	GAG Glu	GAA Glu	GTC Val	CGC Arg	CAA Gln 80	240
GCT Ala	GTA Val	CTA Leu	GAG Glu	ACC Thr 85	ATA Ile	AAG Lys	GCT Ala	AAT Asn	AAC Asn 90	TTC Phe	CGA Arg	GAG Glu	GAT Asp	GTC Val 95	TAC Tyr	288
ATA Ile	AGA Arg	CCT Pro	GTG Val 100	GCG Ala	TTT Phe	GTC Val	GCC Ala	TCG Ser 105	CAG Gln	ACG Thr	GTG Val	ACG Thr	CTT Leu 110	GAC Asp	ATA Ile	336
AGA Arg	AAT Asn	TTG Leu 115	GAA Glu	GTC Val	TCC Ser	CTC Leu	GCG Ala 120	GTT Val	ATT Ile	GTA Val	TTC Phe	CCA Pro 125	TTT Phe	GGC Gly	AAA Lýs	384
TAC Tyr	CTC Leu 130	TCG Ser	CCC Pro	AAC Asn	GGC Gly	ATT Ile 135	AAG Lys	GCA Ala	ACG Thr	ATT Ile	GTA Val 140	AGC Ser	TGG Trp	CGT Arg	AGA Arg	432
GTA Val 145	CAT His	AAT Asn	ACA Thr	ATG Met	CTC Leu 150	CCT Pro	GTG Val	ATG Met	GCA Ala	AAA Lys 155	ATC Ile	GGC Gly	GGT Gly	ATA Ile	TAT Tyr 160	480
GTA Val	AAC Asn	TCT Ser	GTA Val	CTT Leu 165	GCG Ala	CTT Leu	GTA Val	GAG Glu	GCT Ala 170	AGA Arg	AGC Ser	AGG Arg	GGA Gly	TTT Phe 175	GAC Asp	528
GAG Glu	GCT Ala	TTA Leu	TTA Leu 180	ATG Met	GAC Asp	GTT Val	AAC Asn	GGT Gly 185	TAT Tyr	GTT Val	GTT Val	GAG Glu	GGT Gly 190	TCT Ser	GGA Gly	576
GAG Glu	AAT Asn	ATT Ile 195	TTC Phe	ATT Ile	GTC Val	AGA Arg	GGT Gly 200	GGA Gly	AGG Arg	CTT Leu	TTC Phe	ACG Thr 205	CCG Pro	CCA Pro	GTA Val	624
CAC His	GAA Glu 210	TCT Ser	ATC Ile	CTC Leu	GAG Glu	GGA Gly 215	ATT Ile	ACG Thr	AGG Arg	GAT Asp	ACG Thr 220	GTA Val	ATA Ile	AAG Lys	CTC Leu	672
AGC Ser 225	GGG Gly	GAT Asp	GTG Val	GGA Gly	CTT Leu 230	CGG Arg	GTG Val	GAG Glu	GAA Glu	AAG Lys 235	CCT Pro	ATT Ile	ACG Thr	AGG Arg	GAG Glu 240	720

FIG. 8A

7 ;} ;a ;z																	
					GAC Asp											•	768
					GAG Glu											;	816
CCG Pro	GGC Gly	CCC Pro 275	ATT Ile	ACG Thr	ACA Thr	AAA Lys	ATA Ile 280	GCT Ala	GAG Glu	CTG Leu	TAC Tyr	TCA Ser 285	AAC Asn	GTC Val	GTG Val	. 1	864
AGA	GGC	AAA	GTA	GAG	AAA	TAC	TTA	AAT	TGG	ATC	ACT	CCT	GTG	TAT	TAG	:	912
Arg	Gly 290	Lys	Val	Glu	Lys	Tyr 295	Leu	Asn	Trp	Ile	Thr 300	Pro	Val	Tyr	End	1	

FIG. 8B

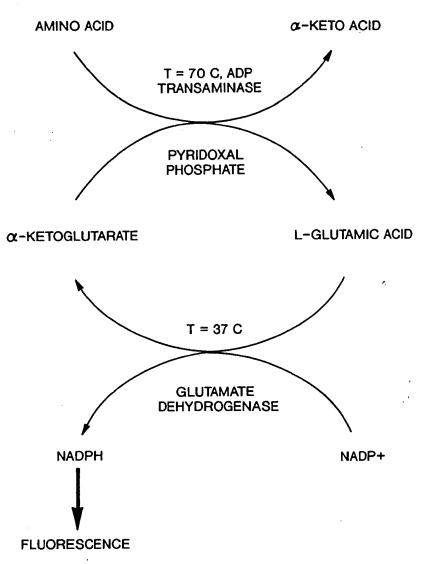


FIG. 9